

10/039 799

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<input type="checkbox"/>	L12	refractive index	171376
<input type="checkbox"/>	L11	sensor surface	7602
<input type="checkbox"/>	L10	galactose binding protein	64
<input type="checkbox"/>	L9	glucose binding protein	49
<input type="checkbox"/>	L8	biosensor	13704
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<input type="checkbox"/>	L7	l2 and l3 and l4 and l5	2
<input type="checkbox"/>	L5	536/1.11	738
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=> s biosensor

L1 31750 BIOSENSOR

=> s glucose binding protein

L2 244 GLUCOSE BINDING PROTEIN

=> s galactose binding protein

L3 622 GALACTOSE BINDING PROTEIN

=> s sensor surface

L4 2012 SENSOR SURFACE

=> s thiol group

L5 13857 THIOL GROUP

=> s refractive index

L6 67413 REFRACTIVE INDEX

=> s l1 and l2 and l3

L7 1 L1 AND L2 AND L3

=> s l1 and l4 and l6

L8 60 L1 AND L4 AND L6

=> s l8 and l2

L9 0 L8 AND L2

=> s l8 and l3

L10 0 L8 AND L3

=> d 17 1

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1998:297242 CAPLUS

DN 129:45201

TI Comparative stereochemical analysis of **glucose-binding proteins** for rational design of glucose-specific agents

AU Li, Tonglei; Lee, Hai-Bang; Park, Kinam

CS School of Pharmacy, Purdue University, West Lafayette, IN, 47907, USA

SO Journal of Biomaterials Science, Polymer Edition (1998), 9(4), 327-344
CODEN: JBSEEA; ISSN: 0920-5063

PB VSP BV

DT Journal

LA English

RE.CNT 72 THERE ARE 72 CITED REFERENCES AVAILABLE FOR THIS RECORD
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=> d 18 1-10

L8 ANSWER 1 OF 60 MEDLINE on STN

AN 2004546994 IN-PROCESS

DN PubMed ID: 15519578

TI Resonant mirror **biosensor** detection method based on

AU yessotoxin-phosphodiesterase interactions.
AU Pazos Maria-Jose; Alfonso Amparo; Vieytes Mercedes R; Yasumoto Takeshi;
Vieites Juan M; Botana Luis M
CS Departamento de Farmacologia, Facultad de Veterinaria, USC, 27002 Lugo,
Spain.
SO Analytical biochemistry, (2004 Dec 1) 335 (1) 112-8.
Journal code: 0370535. ISSN: 0003-2697.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS IN-DATA-REVIEW; IN-PROCESS; NONINDEXED; Priority Journals
ED Entered STN: 20041103
Last Updated on STN: 20041103

L8 ANSWER 2 OF 60 MEDLINE on STN
AN 2002222545 MEDLINE
DN PubMed ID: 11959480
TI Detection of *Staphylococcus aureus* enterotoxin B at femtomolar levels with
a miniature integrated two-channel surface plasmon resonance (SPR) sensor.
AU Naimushin Alexei N; Soelberg Scott D; Nguyen Di K; Dunlap Lucinda;
Bartholomew Dwight; Elkind Jerry; Melendez Jose; Furlong Clement E
CS Department of Medicine, University of Washington, Seattle, WA 98195. USA.
SO Biosensors & bioelectronics, (2002 Jun) 17 (6-7) 573-84.
Journal code: 9001289. ISSN: 0956-5663.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200210
ED Entered STN: 20020418
Last Updated on STN: 20021011
Entered Medline: 20021010

L8 ANSWER 3 OF 60 MEDLINE on STN
AN 2001331476 MEDLINE
DN PubMed ID: 11399031
TI Observation of charge state and conformational change in immobilized
protein using surface plasmon resonance sensor.
AU Mannen T; Yamaguchi S; Honda J; Sugimoto S; Kitayama A; Nagamune T
CS Department of Chemistry and Biotechnology, The University of Tokyo, 7-3-1
Hongo, Bunkyo-ku, Tokyo, 113-8656, Japan.
SO Analytical biochemistry, (2001 Jun 15) 293 (2) 185-93.
Journal code: 0370535. ISSN: 0003-2697.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200108
ED Entered STN: 20010903
Last Updated on STN: 20010903
Entered Medline: 20010830

L8 ANSWER 4 OF 60 MEDLINE on STN
AN 1999327532 MEDLINE
DN PubMed ID: 10399333
TI Reassessment of the calibration constant for the IAsys biosensor
AU Hall D R; Winzor D J
CS Department of Biochemistry, University of Queensland, Brisbane, Australia.
SO Journal of chromatography. A, (1999 Jun 4) 844 (1-2) 395-401.
Journal code: 9318488.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English

FS Priority Journals
EM 200001
ED Entered STN: 20000124
Last Updated on STN: 20000124
Entered Medline: 20000112

L8 ANSWER 5 OF 60 MEDLINE on STN
AN 1999270485 MEDLINE
DN PubMed ID: 10340660
TI Development of a rapid response **biosensor** for detection of *Salmonella typhimurium*.
AU Seo K H; Brackett R E; Hartman N F; Campbell D P
CS Center for Food Safety and Quality Enhancement, Food Science and Technology, University of Georgia, Experiment Station, Griffin 30223-1797, USA.
SO Journal of food protection, (1999 May) 62 (5) 431-7.
Journal code: 7703944. ISSN: 0362-028X.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199908
ED Entered STN: 19990913
Last Updated on STN: 19990913
Entered Medline: 19990831

L8 ANSWER 6 OF 60 MEDLINE on STN
AN 95331274 MEDLINE
DN PubMed ID: 7607210
TI Real-time monitoring of antigen-antibody recognition on a metal oxide surface by an optical grating coupler sensor.
AU Bernard A; Bosshard H R
CS Biochemisches Institut der Universitat, Zurich, Switzerland.
SO European journal of biochemistry / FEBS, (1995 Jun 1) 230 (2) 416-23.
Journal code: 0107600. ISSN: 0014-2956.
CY GERMANY: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199508
ED Entered STN: 19950828
Last Updated on STN: 19990129
Entered Medline: 19950817

L8 ANSWER 7 OF 60 MEDLINE on STN
AN 95330492 MEDLINE
DN PubMed ID: 7606504
TI Evanescent wave **biosensors**. Real-time analysis of biomolecular interactions.
AU Hutchinson A M
CS Department of Natural Products, Glaxo Research and Development Ltd., Greenford, Middlesex, UK.
SO Molecular biotechnology, (1995 Feb) 3 (1) 47-54. Ref: 29
Journal code: 9423533. ISSN: 1073-6085.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA English
FS Priority Journals
EM 199508
ED Entered STN: 19950828
Last Updated on STN: 19990129
Entered Medline: 19950811

L8 ANSWER 8 OF 60 MEDLINE on STN
AN 94117860 MEDLINE
DN PubMed ID: 8288899
TI Affinity ranking of influenza neuraminidase mutants with monoclonal antibodies using an optical **biosensor**. Comparison with ELISA and slot blot assays.
AU Gruen L C; McKimm-Breschkin J L; Caldwell J B; Nice E C
CS CSIRO Division of Biomolecular Engineering, Parkville, Victoria, Australia.
SO Journal of immunological methods, (1994 Jan 12) 168 (1) 91-100.
Journal code: 1305440. ISSN: 0022-1759.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199402
ED Entered STN: 19940312
Last Updated on STN: 19990129
Entered Medline: 19940224

L8 ANSWER 9 OF 60 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
AN 2004:122600 BIOSIS
DN PREV200400126493
TI Characterization of yesotoxin-phosphodiesterases interactions.
AU Alfonso, Amparo [Reprint Author]; Pazos, M. Jose [Reprint Author]; Vieytes, Mercedes R.; Yasumoto, Takeshy; Botana, Luis M. [Reprint Author]
CS Pharmacology, University of Santiago de Compostela, Lugo, Spain
SO Biophysical Journal, (January 2004) Vol. 86, No. 1, pp. 95a-96a. print.
Meeting Info.: 48th Annual Meeting of the Biophysical Society. Baltimore, MD, USA. February 14-18, 2004. Biophysical Society.
ISSN: 0006-3495 (ISSN print).
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 3 Mar 2004
Last Updated on STN: 3 Mar 2004

L8 ANSWER 10 OF 60 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
AN 2002:326256 BIOSIS
DN PREV200200326256
TI Detection of *Staphylococcus aureus* enterotoxin B at femtomolar levels with a miniature integrated two-channel surface plasmon resonance (SPR) sensor.
AU Naimushin, Alexei N.; Soelberg, Scott D.; Nguyen, Di K.; Dunlap, Lucinda; Bartholomew, Dwight; Elkind, Jerry; Melendez, Jose; Furlong, Clement E. [Reprint author]
CS Division of Medical Genetics, University of Washington, Seattle, WA, 98195-7720, USA
clem@u.washington.edu
SO Biosensors and Bioelectronics, (June, 2002) Vol. 17, No. 6-7, pp. 573-584.
print.
CODEN: BBIOE4. ISSN: 0956-5663.
DT Article
LA English
ED Entered STN: 5 Jun 2002
Last Updated on STN: 5 Jun 2002